



Approval # 20020017  
(Replaces 960085-U)

Environmental & Regulatory Services Division  
Bureau of Petroleum Products and Tanks  
201 West Washington Avenue  
P.O. Box 7837  
Madison, WI 53707-7837

## Wisconsin COMM 10 Material Approval

Equipment: Secondary Containment Generator Base Tanks

Manufacturer: Altorfer, Inc.  
6315 Fauber Rd.  
Bartonville, IL 61607

Expiration of Approval: December 31, 2007

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### **SCOPE OF EVALUATION**

The Altorfer secondarily contained generator base tanks, were evaluated in accordance with **ss. COMM 10.345 (1)** of the Wisconsin Administrative Flammable and Combustible Liquids Code. This approval includes tanks displaying the UL 142 label. This Material Approval does not address tanks mounted on trailers for temporary or portable use.

This approval has been based upon Commerce evaluation of information submitted by the manufacture, the Steel Tank Institute and third party evaluation. Specific tank or manufacturer design data is considered confidential. Specific technical information relating to evaluating or qualifying the technical and engineering information submitted should be made to the manufacturer or submitter.

This evaluation summary is condensed to provide the specific installation, application and operation parameters necessary to maintain the subject systems in compliance with the Wisconsin Administrative Code – Comm 10.

## **DESCRIPTION AND USE**

These tanks are listed UL 142 tanks for the aboveground storage of flammable or combustible liquids. Altorfer manufactures tanks in rectangular configurations according to the UL 142 Standards.

## **TESTS AND RESULTS**

For all designs, the inner tank and secondary containment have been tested and listed by UL in accordance with UL Standard 142. The support design has also been approved by UL.

## **LIMITATIONS / CONDITIONS OF APPROVAL**

- The double wall tanks are approved for compliance with the secondary containment requirements of **ss. COMM 10.345 (1)** and may be used without a dike.
- Tank and engine units are to be installed in accordance with Comm 10 – Wisconsin Flammable and Combustible Liquid Code, **NFPA 30** – Flammable and Combustible Liquids Code, **NFPA 37** – Installation and Use of Stationary Combustion Engine and Gas Turbines, and **NFPA 110** – Standard for Emergency and Standby Power Systems.
- All tanks will display the **UL 142** label.
- The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.
- Compartmentalized tanks shall be constructed for a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.
- A spill container shall be provided at the fill opening in accordance with **s. COMM 10.415 (12)(a)**.
- No attachments shall be made to the tank that will violate or void the UL Listing.
- The tank shall be installed to allow full visual inspection of the secondary containment system. Tank foundations shall be designed to minimize the possibility of uneven settling of the tank and to minimize corrosion in any part of the tank resting on the foundation. Tank supports must be placed on a prepared flat smooth solid surface. For horizontal, cylindrical tanks with steel tank supports, the bottom of tank shell shall be a minimum of 3-in. to a maximum of 12-in. above grade as measured at lowest point of steel saddle. Single wood timber supports (not cribbing), laid horizontally, shall be permitted to be used for outside aboveground tanks if not more than 12-inches high at their lowest point. All other types of supports must raise the tank off the foundation 3-inches minimum (except generator base tanks).

- The tank system operator is required to maintain the system components according to the respective manufacturer's guidelines.
- An aboveground storage tank installer certified by the department in accordance with **Comm 5.84** shall supervise the installation. A leak test shall be performed on-site by the installer prior to installation approval.

This approval will be valid through December 31, 2007, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

### **DISCLAIMER**

The Department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement unless specified in this document.

Reviewed by: \_\_\_\_\_

Greg Bareta, P. E.  
Engineering Consultant  
Bureau of Petroleum Products and Tanks

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_